

A device for the deionization of incoming water. The device includes a tank and a generally hollow distributor tube in that tank for ingress into and downward movement of the incoming water through that tank. Slots adjacent the bottom of the generally hollow tube and

5 near the bottom of the tank are provided for distributing the incoming water out of the hollow tube. There is a bed of mixed bed ion exchange resin within the tank. This bed of resin surrounds the generally hollow tube, through which the incoming water travels upwardly. The water is deionized by the ion exchange resin, as it moves upwardly through the resin, after egress from the slots.